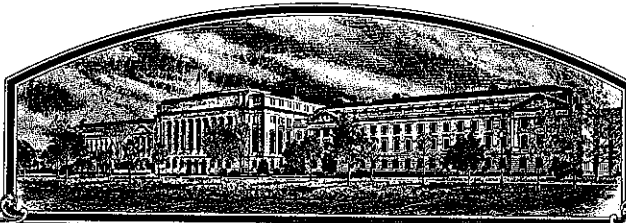


No.

9400047



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:
Purdue University and USDA-ARS

Whereas, THERE HAS BEEN PRESENTED TO THE
Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED, PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE PURPOSES, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. IN THE UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS SPECIFIED BY THE OWNER OF THE SEED. (U.S. STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

(*Waiver except that this waiver shall not apply to breeding, foundation seed, labeling requirements, and blending operations.)

**SOYBEAN
'Bronson'**



In Testimony Whereof, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington, D.C. this thirty-first day of October in the year of our Lord one thousand nine hundred and ninety-five.

Attest:

Martin A. Shuster

Commissioner
Plant Variety Protection Office
Agricultural Marketing Service

W. J. Feltman
Secretary of Agriculture

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

(Instructions on reverse)

Application is required in order to determine if a plant variety protection certificate is to be issued (7 U.S.C. 2421). Information is held confidential until certificate is issued (7 U.S.C. 2420).

1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		2. TEMPORARY DESIGNATION OR EXPERIMENTAL NO.	3. VARIETY NAME
Purdue University and USDA-ARS		C1804	Bronson
4. ADDRESS (street and no., or R.F.D. no., city, state, and ZIP)		5. PHONE (include area code)	FOR OFFICIAL USE ONLY
Purdue University ARP Agricultural Administration Building West Lafayette, IN 47907		(317) 494-8362	PVPO NUMBER 9400047
6. GENUS AND SPECIES NAME	7. FAMILY NAME (Botanical)	Filing and Examination Fee: \$ 2,325.00 Date Dec. 13, 1993 Certificate Fee: \$ 300.00 Date August 9, 1995	
Glycine max	Leguminosae		
8. CROP KIND NAME (Common Name)	9. DATE OF DETERMINATION		
Soybean	January 1990		
10. IF THE APPLICANT NAMED IS NOT A "PERSON," GIVE FORM OF ORGANIZATION (Corporation, partnership, association, etc.)			
11. IF INCORPORATED, GIVE STATE OF INCORPORATION			
12. DATE OF INCORPORATION			

13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVE(S) IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS

Dr. E. E. Ortman
Purdue University ARP
Agricultural Administration Building
West Lafayette, IN 47907

PHONE (include area code): (317) 494-8363

14. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow INSTRUCTIONS on reverse)

a. ☒ Exhibit A, Origin and Breeding History of the Variety

b. ☒ Exhibit B, Novelty Statement.

c. ☒ Exhibit C, Objective Description of Variety.

d. ☐ Exhibit D, Additional Description of Variety.

e. ☐ Exhibit E, Statement of the Basis of Applicant's Ownership.

f. ☒ Seed Sample (2,500 viable untreated seeds). Date Seed Sample mailed to Plant Variety Protection Office _____

g. ☒ Filing and Examination Fee: (2,325) made payable to "Treasurer of the United States."

15. DOES THE APPLICANT(S) SPECIFY THAT SEED OF THIS VARIETY BE SOLD BY VARIETY NAME ONLY AS A CLASS OF CERTIFIED SEED? (See section 83(a) of the Plant Variety Protection Act)

☒ YES (If "YES," answer items 16 and 17 below) ☐ NO (If "NO," skip to item 18 below)

16. DOES THE APPLICANT(S) SPECIFY THAT THIS VARIETY BE LIMITED AS TO NUMBER OF GENERATIONS?

☒ YES ☐ NO

17. IF "YES" TO ITEM 16, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SEED?

☒ FOUNDATION ☒ REGISTERED ☒ CERTIFIED

18. DID THE APPLICANT(S) PREVIOUSLY FILE FOR PROTECTION OF THE VARIETY IN THE U.S.?

☐ YES (If "YES," through ☐ Plant Variety Protection Act ☐ Patent Act Give date: _____)

☒ NO

19. HAS THE VARIETY BEEN RELEASED, USED, OFFERED FOR SALE OR MARKETED IN THE U.S. OR OTHER COUNTRIES?

☒ YES (If "YES," give names of countries and dates) Foundation seed produced in U.S. 1993
Released August 2, 1993.

☐ NO

20. The applicant(s) declare(s) that a viable sample of basic seeds of this variety will be furnished with the application and will be replenished upon request in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in section 41, and is entitled to protection under the provisions of section 42 of the Plant Variety Protection Act

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties

SIGNATURE OF APPLICANT (to be filled)	CAPACITY OR TITLE	DATE
	Assoc. Dir., Ag Res Programs	Nov. 23, 1993
SIGNATURE OF APPLICANT (to be filled)	CAPACITY OR TITLE	DATE

Exhibit A. Origin and Breeding History of BRONSON Soybean

Bronson is a selection from the cross Bradley x L80-4323 made in the USDA-Agricultural Research Service and the Purdue University Agricultural Experiment Station cooperative soybean breeding and genetics project. The cross, designated CX1103, was made in the summer of 1984 at the Purdue University Agronomy Research Center. The F₁ generation was grown in a USDA-ARS research station at Mayaguez, Puerto Rico, during the winter, 1984-1985. The F₂ generation was grown at the Purdue University Agronomy Research Center during the summer, 1985, and single plants selected in this generation. The F₃ generation was grown as F₂ progeny rows in the summer, 1986, and plants selected from superior F₃ rows. Selected F₃ plants were grown in progeny rows in the summer, 1987, and homogeneous rows harvested individually. One of these rows was designated CX1103-73-3 and was evaluated in replicated yield tests in Indiana in 1988 and 1989. This line was evaluated for reaction to Indiana isolates of race 3 of the soybean cyst nematode (SCN) and was determined to be resistant to these isolates.

The line was designated C1804 and evaluated in Preliminary Test IVA in 1990, in Uniform Test IV in 1991 of The Uniform Soybean Tests Northern States and in Uniform Test IV in 1992 of The Uniform Soybean Tests Northern Region. In the 1991-1992 performance data, C1804 averaged 0.7 bushels per acre higher in seed yield and about 2 days earlier in maturity than Delsoy 4210, the SCN-resistant check. C1804 was also evaluated in SCN Preliminary Test IV of the 1990 Regional SCN Tests I-IV and in SCN Uniform Test IV of the 1991 and 1992 Northern Regional Soybean Cyst Nematode Test Group I-IV. In the 1991-1992 tests C1804 averaged 1.1 bushels per acre higher in yield than Delsoy 4210 on SCN non-infested test sites and 0.8 bushels per acre lower in yield than Delsoy 4210 on SCN infested test sites.

In 1990 twenty-five individual plants were selected from a seed plot of C1804 and seed from these plants grown in individual plant rows at the Purdue University Agronomy Research Center in 1991. Phenotypically uniform rows were harvested individually, seedlings from each of these rows evaluated for reaction to SCN race 3, and seed of those rows that were SCN resistant and uniform in appearance were bulked to form breeder seed. About 15 bushels of breeder seed of C1804 was produced at the Purdue University Agronomy Research Center in 1992.

On February 16, 1993, the Purdue University AES Soybean Improvement Committee recommended the multiplication and release of C1804, which was approved by B. R. Baumgardt, Director, AES. Breeder seed was allocated to Illinois and Indiana for foundation seed production in 1993. The name BRONSON was approved for this variety and publicity was released on August 2, 1993.

The attached Soybean Field Inspection Report and Laboratory Report by the Indiana Crop Improvement Association attest to the purity of BRONSON soybean.

Exhibit B. Novelty Statement for BRONSON Soybean

Bronson is an indeterminate maturity Group IV variety that matures about 1 day later than Spencer and 2 days earlier than Delsoy 4210. Bronson can be distinguished from most Group IV varieties by its resistance to race 3 of the soybean cyst nematode. Bronson most closely resembles the SCN resistant Group IV variety Delsoy 4210. Bronson, with high peroxidase activity in the seed coat, can be distinguished from Delsoy 4210 that has low peroxidase activity in the seed coat. The indeterminate Bronson with white flowers and black hila can be distinguished from Pharaoh, a Group IV SCN resistant variety, that has a determinate growth habit, purple flowers, and brown hila.

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE

PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MARYLAND 20705

OBJECTIVE DESCRIPTION OF VARIETY
SOYBEAN (*Glycine max* L.)

FORM NO. 10-65 UMS NO. 0581-01

EXHIBIT

(Soybean)

NAME OF APPLICANT(S) Purdue University Agr. Res. Programs and USDA-ARS	TEMPORARY DESIGNATION C1804	VARIETY NAME Bronson
ADDRESS (Street and No., or R.F.D. No., City, State, and Zip Code) Agricultural Administration Building Purdue University West Lafayette, IN 47907		FOR OFFICIAL USE ONLY PVPO NUMBER 94000471

Choose the appropriate response which characterizes the variety in the features described below. When the number of significant digits in your answer is fewer than the number of boxes provided, place a zero in the first box when number is 9 or less (e.g., 09). Starred characters ★ are considered fundamental to an adequate soybean variety description. Other characters should be described when information is available.

1. SEED SHAPE:

2



1 = Spherical (L/W, L/T, and T/W ratios = < 1.2)
3 = Elongate (L/T ratio > 1.2; T/W < 1.2)

2 = Spherical Flattened (L/W ratio > 1.2; L/T ratio = < 1.2)
4 = Elongate Flattened (L/T ratio > 1.2; T/W > 1.2)

★ 2. SEED COAT COLOR: (Mature Seed)

1

1 = Yellow

2 = Green

3 = Brown

4 = Black

5 = Other (Specify) _____

3. SEED COAT LUSTER: (Mature Hand Shelled Seed)

2

1 = Dull ('Corsoy 79'; 'Braxton')

2 = Shiny ('Nebsoy'; 'Gasoy 17')

★ 4. SEED SIZE: (Mature Seed)

17

Grams per 100 seeds

★ 5. HILUM COLOR: (Mature Seed)

6

1 = Buff

2 = Yellow

3 = Brown

4 = Gray

5 = Imperfect Black

6 = Black

7 = Other (Specify) _____

★ 6. COTYLEDON COLOR: (Mature Seed)

1

1 = Yellow

2 = Green

★ 7. SEED PROTEIN PEROXIDASE ACTIVITY:

2

1 = Low

2 = High

★ 8. SEED PROTEIN ELECTROPHORETIC BAND:

1 = Type A (SP1^a)

2 = Type B (SP1^b)

★ 9. HYPOCOTYL COLOR:

2

1 = Green only ('Evans'; 'Davis')

2 = Green with bronze band below cotyledons ('Woodworth'; 'Tracy')

3 = Light Purple below cotyledons ('Beeson'; 'Pickett 71')

4 = Dark Purple extending to unifoliate leaves ('Hodgson'; 'Coker Hampton 266A')

★ 10. LEAFLET SHAPE:

3

1 = Lanceolate

2 = Oval

3 = Ovate

4 = Other (Specify) _____

4

11. LEAFLET SIZE:

☒ 1 = Small ('Amsoy 71'; 'AS312')
3 = Large ('Crawford'; 'Tracy')

2 = Medium ('Corsoy 79'; 'Gasoy 17')

12. LEAF COLOR:

☒ 1 = Light Green ('Weber'; 'York')
3 = Dark Green ('Gnome'; 'Tracy')

2 = Medium Green ('Corsoy 79'; 'Braxton')

★ 13. FLOWER COLOR:

☒ 1 = White 2 = Purple 3 = White with purple throat

★ 14. POD COLOR:

☒ 1 = Tan 2 = Brown 3 = Black

★ 15. PLANT PUBESCENCE COLOR:

☒ 1 = Gray 2 = Brown (Tawny)

16. PLANT TYPES:

☒ 1 = Slender ('Essex'; 'Amsoy 71')
3 = Bushy ('Gnome'; 'Govan') 2 = Intermediate ('Amcor'; 'Braxton')

★ 17. PLANT HABIT:

☒ 1 = Determinate ('Gnome'; 'Braxton')
3 = Indeterminate ('Nebsoy'; 'Improved Pelican') 2 = Semi-Determinate ('Will')

★ 18. MATURITY GROUP:

☐ 0 ☒ 7 1 = 000 2 = 00 3 = 0 4 = I 5 = II 6 = III 7 = IV 8 = V
9 = VI 10 = VII 11 = VIII 12 = IX 13 = X

★ 19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

BACTERIAL DISEASES:

★ ☐ 0 Bacterial Pustule (*Xanthomonas phaseoli* var. *sojensis*)

★ ☐ 0 Bacterial Blight (*Pseudomonas glycines*)

★ ☐ 0 Wildfire (*Pseudomonas tabaci*)

FUNGAL DISEASES:

★ ☐ 0 Brown Spot (*Septoria glycines*)

Frogeye Leaf Spot (*Cercospora sojae*)

★ ☐ 0 Race 1 ☐ 0 Race 2 ☐ 0 Race 3 ☐ 0 Race 4 ☐ 0 Race 5 ☐ Other (Specify)

☐ 0 Target Spot (*Corynespora cassiicola*)

☐ 0 Downy Mildew (*Peronospora trifoliorum* var. *manshurica*)

☐ 0 Powdery Mildew (*Microsphaera diffusa*)

★ ☐ 0 Brown Stem Rot (*Cephalosporium gregatum*)

☐ 0 Stem Canker (*Diaporthe phaseolorum* var. *caulivora*)

19. DISEASE REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant) (Continued)

FUNGAL DISEASES: (Continued)

- ★ ☒ 1 Pod and Stem Blight (*Diaporthe phaseolorum* var. *sojae*)
- ☐ 0 Purple Seed Stain (*Cercospora kikuchii*)
- ☐ 0 Rhizoctonia Root Rot (*Rhizoctonia solani*)
- Phytophthora Rot (*Phytophthora megasperma* var. *sojae*)
- ★ ☒ 2 Race 1 ☐ 0 Race 2 ☐ 0 Race 3 ☐ 0 Race 4 ☐ 0 Race 5 ☐ 0 Race 6 ☒ 1 Race 7
- ☐ 0 Race 8 ☐ 0 Race 9 ☐ Other (Specify) _____

VIRAL DISEASES:

- ☐ 0 Bud Blight (Tobacco Ringspot Virus)
- ☐ 0 Yellow Mosaic (Bean Yellow Mosaic Virus)
- ★ ☐ 0 Cowpea Mosaic (Cowpea Chlorotic Virus)
- ☐ 0 Pod Mottle (Bean Pod Mottle Virus)
- ★ ☐ 0 Seed Mottle (Soybean Mosaic Virus)

NEMATODE DISEASES:

- Soybean Cyst Nematode (*Heterodera glycines*)
- ★ ☐ 0 Race 1 ☐ 0 Race 2 ☒ 2 Race 3 ☐ 0 Race 4 ☐ Other (Specify) _____
- ☐ 0 Lance Nematode (*Hoplolaimus Colonus*)
- ★ ☐ 0 Southern Root Knot Nematode (*Meloidogyne incognita*)
- ★ ☐ 0 Northern Root Knot Nematode (*Meloidogyne Hapla*)
- ☐ 0 Peanut Root Knot Nematode (*Meloidogyne arenaria*)
- ☐ 0 Reniform Nematode (*Rotylenchulus reniformis*)
- ☐ OTHER DISEASE NOT ON FORM (Specify): _____

20. PHYSIOLOGICAL RESPONSES: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

- ★ ☒ 1 Iron Chlorosis on Calcareous Soil Score 3.8
- ☐ Other (Specify) _____

21. INSECT REACTION: (Enter 0 = Not Tested; 1 = Susceptible; 2 = Resistant)

- ☐ 0 Mexican Bean Beetle (*Epilachna varivestis*)
- ☐ 0 Potato Leaf Hopper (*Empoasca fabae*)
- ☐ Other (Specify) _____

22. INDICATE WHICH VARIETY MOST CLOSELY RESEMBLES THAT SUBMITTED.

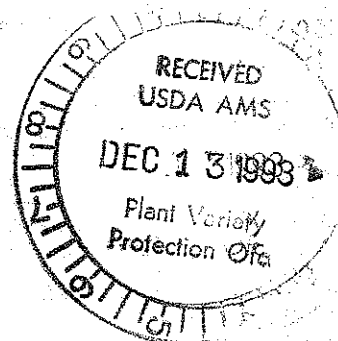
CHARACTER	NAME OF VARIETY	CHARACTER	NAME OF VARIETY
Plant Shape	Delsoy 4210	Seed Coat Luster	Ripley
Leaf Shape	Delsoy 4210	Seed Size	Spry
Leaf Color		Seed Shape	
Leaf Size		Seedling Pigmentation	

21. GIVE DATA FOR SUBMITTED AND SIMILAR STANDARD VARIETY: Paired Comparison Data

VARIETY	NO. OF DAYS MATURITY	PLANT LODGING SCORE	CM PLANT HEIGHT	LEAFLET SIZE		SEED CONTENT		SEED SIZE G/100 SEEDS	NO. SEEDS/ POD
				CM Width	CM Length	% Protein	% Oil		
BRONSON Submitted	132	2.0	99			41.6	20.4	16.7	2.84
DEL SOY 4210 Name of Similar Variety	134	2.2	99			41.5	21.2	17.7	

PUBLICATIONS USEFUL AS REFERENCE AIDS FOR COMPLETING THIS FORM:

1. Caldwell, B.E., ed. 1973. Soybeans: Improvement, Production, and Uses. Amer. Soc. Agron. Monograph No. 16.
2. Buttery, B.R. and R.J. Buzzell. 1968. Peroxidase activity in seeds of soybean varieties. Crop Sci., 8: 722-725.
3. Hymowitz, T. 1973. Electrophoretic analysis of SBTi-A₂ in the USDA soybean germplasm collection. Crop Sci., 13: 420-421.
4. Payne, R.C. and L.F. Morris. 1976. Differentiation of soybean cultivars by seedling pigmentation patterns. J. Seed Technol. 1: 1-19.



9400047

SOYBEAN FIELD INSPECTION REPORT

FIR-1-87

Phone 317/474-3494

Indiana Crop Improvement Association

Producer #

Seed Company USDA/ARS (J.R. WILCOX) Variety C1804 Class Inspected BleederContract Grower Purdue Agronomy Farm Field No. 76 Acres .5

RECORDS OF COUNTS-SEQUENTIAL SAMPLING

COUNT	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOT
OFF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											0
TYPE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0											10000

CERTIFICATION	QUALITY ASSURANCE	INFORMATION ONLY	Description of Off-Type NOTED in Counts:
<input type="checkbox"/> Accepted	<input type="checkbox"/> Accepted	<input type="checkbox"/> Blossom	<u>NONE NOTED</u>
<input type="checkbox"/> Rejected	<input type="checkbox"/> Rejected	<input checked="" type="checkbox"/> Mature	Other Off-Type Noted but NOT in Counts:
<input type="checkbox"/> Rejected AOD Issued	Does Not Meet Company Standards <input type="checkbox"/>		<u>NONE NOTED IN ENTIRE PLOT</u>

WEEDS NOTED (✓ if Present)						DISEASES NOTED (✓ if present)	
PROHIBITED NOXIOUS	RESTRICTED NOXIOUS	COMMON				Bacterial Blight	
Canada Thistle	Curled Dock	Jimson Weed		Morning Glory		Brown Spot	
Field Bindweed	Giant Foxtail	Velvet Leaf		Milkweed		Downy Mildew	
Johnsongrass	Horse Nettle	C. Ragweed		Y. Nutsedge		Brown Stem Rot	
P. Peppergrass	Corncockle	Giant Ragweed		Lambsquarter		Stem Canker	
Sowthistle	Wild Mustard	Smartweed		Sw. Potato Vine		Root Rot Complex	
Quackgrass	Bitter Wintercress	R. Pigweed		Hemp Dogbane		Pod & Stem Blight	
Wild Garlic	Field Peppergrass	Ground Cherry		H. Bindweed		Purple Seed Stain	
Wild Onion	Cocklebur	Green Foxtail				Bud Blight	
Russian Knapweed	E.B. Nightshade					Soybean Mosaic Virus	<input checked="" type="checkbox"/>

FIELD CONDITIONS

Stand: Good ☒ Average ☐ Poor ☐Maturity: Even ☒ Uneven ☐Weed Control: Good ☒ Average ☐ Poor ☐Suggest not saving excessively weedy areas ☐Suggest severely lodged areas not be saved ☐Corn noted in field ☐Other Crops Noted: ☐Estimated Days Until Ready For Harvest 1-3Estimated Yield (B/A) 60

APPLICANT:
IF AFFIDAVIT
ISSUED, PLEASE
SEND ONE COPY
OF THIS REPORT
TO OFFICE AFTER
SIGNING

Inspector Comments ☒Affidavit Description ☐

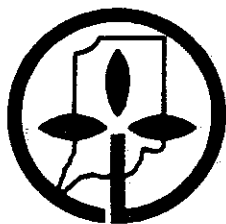
Slight to moderate lodging.
Plot is weed free.
Varietal purity appears
excellent. No off-types
were noted in counts or
in the entire plot.

Inspector Signature Larry LynnDate 10-3-92

I verify that the area described above was not approved for certification and that the grain from this area was harvested and kept separate from my certified seed. This grain will not be sold as a class of Certified Seed.

SEEDSMAN SIGNATURE

Date



LABORATORY REPORT ³ NOV 1992
INDIANA CROP IMPROVEMENT ASSOCIATION
3510 U.S. 52 South
Lafayette, Indiana 47905
Phone 317-474-3494

9400047

1099 DR. JIM WILCOX
AGRONOMY DEPT. LILLY HALL
PURDUE UNIVERSITY
WEST LAFAYETTE, IN 47907-0000

VARIETY - C1804
LOT NO - 1
FIELD NO - AGRONOMY FARM
CLASS HARVESTED NCERT
UNCLEAN
UNTREATED TOTAL BU. 9
TESTED FOR - INFORMATION ONLY
LAB NO - 698 CURRENT PRODUCTION
SAMPLED BY - GROWER DATE 10/26/92

SDYS

WARM GERMINATION TEST

DATE 11/02/92

STRONG 98.00% WEAK .50% ABNORMAL 1.50% DEAD .00%
HARD .00% GERMINATION 98.50%

MECHANICAL PURITY TEST

DATE 11/02/92

PURE SEED 99.76% WEED SEED .01% OTHER CROP .00% INERT .23%
2 MORNING GLORY PER #

VARIETAL PURITY

DATE 11/02/92

OFF-TYPE PRESENT NONE NOTED

SEED COUNT, MOISTURE, WEIGHT

DATE 10/27/92

COUNT : 0 MOISTURE 14.00% TEST WT 18/80 0

NOTICE

Tests herein reported were conducted on a sample provided by the requesting party, the collection of which was beyond the control of the Indiana Crop Improvement Association. **ALL STANDARD TESTS** were conducted in accordance with the procedures prescribed by the most recent edition of "Rules for Seed Testing" issued by the Association of Official Seed Analysts (AOSA). Results are representative of the condition of the sample on the day the tests were performed. Therefore, the Indiana Crop Improvement Association makes no warranties, express or implied, including warranty of merchantability or fitness for a particular purpose concerning this lot of seed.

UNIFORM TEST IV, 1992

1991-1992 2-YEAR MEAN

No. of Tests Strain	Yield	Rank	Maturity	Lodging	Plant	Seed	Seed	Composition	
	38 bu/a	38 No.	32 Date	38 Score	38 In.	36 Score	36 g/100	10 %	10 %
Delsoy 4210	47.8	11	3.5	2.2	39	2.1	17.7	41.5	21.2
Flyer (E)	50.1	5	-3.8	1.4	32	1.7	14.5	41.5	20.8
Spencer (IV)	50.6	3	9/23.0*	1.4	35	2.2	17.9	40.9	21.3
Spry (L)	50.4	4	7.0	2.3	34	2.0	17.0	40.8	20.9
Cl804 Bronson	48.5	10	1.3	2.0	39	1.9	16.7	41.6	20.4
HC86-3403	51.1	2	-0.7	1.4	34	1.9	16.6	42.7	21.2
HC87-3212	46.9	12	-1.9	1.2	22	2.0	18.5	40.4	22.0
K1191	54.2	1	7.0	1.7	36	1.9	17.1	40.9	21.0
LS86-1922	49.1	8	5.2	2.6	43	1.9	15.2	39.6	20.8
LS87-1311	49.2	7	2.3	1.6	39	1.7	15.1	39.2	21.3
S86-4496	48.7	9	5.6	2.2	41	2.2	17.2	39.6	20.8
S86-4499	49.8	6	6.4	2.3	40	2.4	16.7	39.2	21.0

* 130.2 Days After Planting

Exhibit E

Statement of Basis of Applicant's Ownership

'Bronson' seed was developed under leadership of Dr. Wilcox. Purdue University claims ownership to intellectual property developed by faculty.



United States
Department of
Agriculture

Agricultural
Marketing
Service

Science
Division

Plant Variety Protection Office
NAL Building, Room 500
10301 Baltimore Blvd.
Beltsville, MD 20705-2351

Sir/Madam:

SUBJECT: PV Application No. 9400047, SOYBEAN, 'Bronson'

As provided in section 83(a) of the Plant Variety Protection Act, 7 U.S.C. 2321, we request that the Certificate on the above variety be issued with a notation on the Certificate that the right to exclude others from selling, offering for sale, reproducing, importing or exporting the variety covered by this Certificate, or using it in producing a hybrid or different variety is **waived**, except that this waiver shall not apply to breeders seed, foundation seed, labeling requirements, and blending limitations.

It has been agreed that the Certificate should be issued in the name(s) of:

AGRICULTURAL RESEARCH PROGRAMS, PURDUE UNIVERSITY

Elton Ostr
Signature

July 28, 1995
Date



The Agricultural Marketing Service
is an agency of the
United States Department of Agriculture